

Title (en)
SOFT HETEROPHASIC POLYOLEFIN COMPOSITION

Title (de)
WEICHE HETEROPHASICHE POLYOLEFINZUSAMMENSETZUNG

Title (fr)
COMPOSITION DE POLYOLÉFINE HÉTÉROPHASIQUE SOUPLE

Publication
EP 3083821 A1 20161026 (EN)

Application
EP 14815241 A 20141218

Priority
• EP 13005949 A 20131219
• EP 2014003419 W 20141218
• EP 14815241 A 20141218

Abstract (en)
[origin: EP2886599A1] Heterophasic polypropylene composition having an MFR 2 (2.16 kg, 230 °C) of 3.0 to 7.0 g/10 min, determined according to ISO 1133, and a Vicat A50 softening temperature of more than 110 °C measured according to DIN EN ISO 306 at 10 N on an injection moulded test specimen with the dimensions of 80x10x4 mm 3 and a heat rate of 50 °C/h including a propylene random copolymer matrix phase (A), and an ethylene-propylene copolymer rubber phase (B) dispersed within the matrix phase, wherein the heterophasic polypropylene composition has a fraction soluble in p-xylene at 23 °C (XCS fraction), and a fraction insoluble in p-xylene at 23 °C (XCU fraction), said heterophasic polypropylene composition having a tensile modulus of 450 to 850 MPa when measured according to ISO 527-2 at 23 °C temperature with an elongation rate of 1 mm/min on injection moulded test specimens type 1A prepared according to ISO 1872-2; and a normalized maleic anhydride index I MA equal to or less than 0.036 µm -1 .

IPC 8 full level
C08L 23/14 (2006.01); **F16L 58/10** (2006.01)

CPC (source: EP US)
C08F 210/06 (2013.01 - EP); **C08L 23/14** (2013.01 - EP US); **F16L 13/0272** (2013.01 - EP US); **F16L 58/181** (2013.01 - EP US); **C08L 2203/18** (2013.01 - EP US); **C08L 2205/025** (2013.01 - EP US); **C08L 2207/02** (2013.01 - EP US); **C08L 2310/00** (2013.01 - EP US)

Citation (search report)
See references of WO 2015090594A1

Citation (examination)
• US 5994471 A 19991130 - SEELERT STEFAN [DE], et al
• WO 2009042323 A1 20090402 - DOW GLOBAL TECHNOLOGIES INC [US], et al
• EP 1021485 A1 20000726 - MONTELL NORTH AMERICA INC [US]
• US 2004054086 A1 20040318 - SCHAUDER JEAN-ROCH H [BE], et al
• EP 1198513 A1 20020424 - BASELLTECH USA INC [US]
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• US 6673855 B1 20040106 - BRAGA VITTORIO [IT], et al

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Designated extension state (EPC)
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